

RECEIPT

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Patent and Trademark Office: U.S. Department of Commerce

0001/PATENT Rev. 10/95 TRANSMITTAL FORM (to be used for all correspondence after initial filing)	U.S. Department of Commerce Patent and Trademark Office	Application Number	09/977,675	
		Filing Date	10/15/2001	
		First Named Inventor	Robert F. Dierbeck	
		Group Art Unit	3743	
		Examiner Name		
Total Number of pages in this Submission		3	Attorney Docket Number	1453-00050

ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Response
- ☐ After final
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☐ Information Disclosure Statement/PTO-1449
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/
Incomplete Application
- ☐ Response to Missing
Parts Under 37.152 or 1.53

- ☐ Assignment Papers
(for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition Checklist and
Accompanying Petition
- ☐ To Convert a Provisional
Application
- ☐ Power of Attorney,
Revocation, Change of
Correspondence Address
- ☐ Terminal Disclaimer

- ☐ After Allowance
Communication To Group
- ☐ Appeal Communication to
Board Of Appeals and
Interferences
- ☐ Appeal Communication to
Group (Appeal Notice, Brief,
Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Additional Enclosure(s)
(Please identify below)

Return receipt postcard
Request for Corrected Filing
Receipt

Remarks

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TECHNOLOGY CENTER R3700

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Or Individual Name	Joseph J. Jochman, Jr., Reg. No. 25,058 ANDRUS, SCEALES, STARKE & SAWALL, LLP 100 East Wisconsin Avenue, Suite 1100, Milwaukee, WI 53202
Signature	
Date	January 16, 2002

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, DC 20231 on this date:

January 16, 2002

Typed or printed name	Barbara A. Johnson		
Signature		Date	01/16/02



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application Of:)
)
ROBERT F. DIERBECK)
)
Application No. 09/977,675)
)
Filed: 10/15/2001)
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Group Art Unit: 3743)
)
Examiner:)
)
HEAT EXCHANGER ASSEMBLY WITH)
DISSIMILAR METAL CONNECTION)
CAPABILITY)

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REQUEST FOR CORRECTED FILING RECEIPT

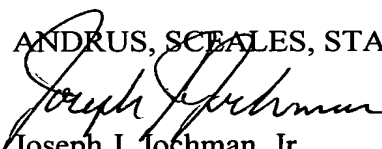
Commissioner for Patents
Attn.: Customer Correction Branch
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Sir:

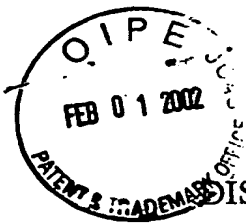
1. Attached is a copy of the official filing receipt received from the PTO in the above application.
2. The filing receipt does not reflect the CROSS-REFERENCE TO RELATED APPLICATIONS information listed on page 1 of the application. A copy of the related application information is attached.
3. The error is not due to any mistake by applicant and no fee is due. Therefore, it respectfully requested that a corrected filing receipt be issued correcting the inventor's name.

Respectfully submitted,

ANDRUS, SCALES, STARKE & SAWALL, LLP


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HEAT EXCHANGER ASSEMBLY WITH
DISSIMILAR METAL CONNECTION CAPABILITY
CROSS-REFERENCE TO RELATED APPLICATIONS

This application is based on and claims priority from U.S. Patent Application
5 Number 09/356,188 filed on July 16, 1999.

FIELD OF THE INVENTION

The present invention relates to heat exchangers used to cool various flowing
fluids. More particularly, the invention relates to a heat exchanger assembly for use in
cooling engine oil, transmission fluid, or exhaust by passing a cooling fluid around or
10 through the exchanger, particularly one utilizing two different metals in its construction.

BACKGROUND OF THE INVENTION

Heat exchangers are used to transfer heat absorbed by a first fluid to a second
cooling fluid. Either fluid may flow through passages located within the exchanger or
around the passages, passing through openings extending through the exchanger that are
15 spaced about the passages and are defined by a plurality of fins extending outwardly
around the passages. Prior art heat exchangers have been constructed in a multitude of
arrangements to expose the maximum surface area on the passages and the surrounding
fins to allow the greatest heat transfer to occur between the first and second fluids.

Older heat exchangers consist of arrangements of tubular passages having
20 radially extending fins spaced from one another and attached to the passages in a
permanent relationship. Heat exchangers of this type, while effective in cooling the
heated first fluid flowing from the engine, are difficult to maintain and repair due to the
unitary construction of the heat exchanger, as this construction necessitates the total
disassembly of the exchanger to repair the exchanger. Disassembling these types of
25 exchangers requires that the permanent connections between the components of the heat
exchanger be undone, a process which is both time consuming and expensive.

More recent developments with regard to fluid heat exchanger design have
resulted in the creation of modular heat exchangers, such as that disclosed in Dierbeck
U.S. Patent No. 5,303,770. In this heat exchanger, the exchanger is comprised of a
30 number of modules that are positioned against one another to form the modular heat
exchanger. The individual modules can be releasably connected to one another to form